

## **CMS results on jet quenching studies with high pT jets and heavy flavor mesons**

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LHC has delivered pp, pPb and PbPb collisions at 2.76 and 5.02 TeV in 2010-15. With the high performance and flexible trigger system and the high resolution inner tracker, CMS has recorded and analyzed large data samples of high pT photons, jets and heavy flavor mesons.

In this talk, recent results of the jet, charged hadron, and heavy flavor meson measurements, covering a wide pseudorapidity and transverse momentum range, are summarized. With the large kinematics range investigated, those results provide important insights to the parton flavor dependence of the energy loss and medium response to the incident high pT parton.

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